

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/528,168
Source: Pg 1/10
Date Processed by STIC: 3/25/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/25/2005

PATENT APPLICATION: US/10/528,168

TIME: 14:55:50

Input Set : A:\EX03-065C-US patentin.txt

Output Set: N:\CRF4\03252005\J528168.raw

```

3 <110> APPLICANT: EXELIXIS, INC.
5 <120> TITLE OF INVENTION: FLJ20647s AS MODIFIERS OF THE p21 PATHWAY AND METHODS OF USE
7 <130> FILE REFERENCE: EX03-065C-US
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/528,168
C--> 9 <141> CURRENT FILING DATE: 2005-03-16
9 <150> PRIOR APPLICATION NUMBER: US 60/411,010
10 <151> PRIOR FILING DATE: 2002-09-16
12 <160> NUMBER OF SEQ ID NOS: 4
14 <170> SOFTWARE: PatentIn version 3.2
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1245
18 <212> TYPE: DNA
19 <213> ORGANISM: Homo sapiens
21 <400> SEQUENCE: 1
22 ggcacgagggc aggcgctgac gaggagcccg gctgagggag gatgcgccgc tgacgcctgc      60
24 gggagccgcg cgccctggggc gggaggatgc tccagagggg cctctggccg tggcgcacgc      120
26 ggctgctgcc gacccctggc acctggcgcc cagcgcgccc gtggccgctg ccgcctccgc      180
28 cccaggtttt gcgtgtgaag ctgtgtggaa atgtgaaata ctaccagtca caccattata      240
30 gtaccgtggt gccacctgat gaaataacag ttatttatag acatggcctt cccttggttaa      300
32 cacttacctt gccatctaga aaagaacggt gtcaattcgt agtcaaacca atgttgtcaa      360
34 cagttgggtt attccttcag gacctacaaa atgaagataa gggatatcaa actgcagcca      420
36 tcttcacagc agatggcaac atgatttcag cttctacctt gatggatatt ttgctaataga      480
38 atgattttta acttgtcatt aataaaatag catatgatgt gcagtgtcca aagagagaaa      540
40 aaccaagtaa tgagcacact gctgagatgg aacacatgaa atccttggtt cacagactat      600
42 ttacaatctt gcatttagaa gagtctcaga aaaagagaga gcaccattta ctggagaaaa      660
44 ttgaccacct gaaggaacag ctgcagcccc ttgaacaggt gaaagctgga atagaagctc      720
46 attcggaaag caaaaccagt ggactcctgt gggctggatt ggcactgctg tccattcagg      780
48 gtggggcact ggcctggctc acgtggtggg tgtactcctg ggatatcatg gagccagtta      840
50 catacttcat cacatttgca aattctatgg tcttttttgc atactttata gtcactcgac      900
52 aggattatac ttactcagct gttaagagta ggcaatttct tcagttcttc cacaagaaat      960
54 caaagcaaca gcactttgat gtgcagcaat acaacaagtt aaaagaagac cttgctaagg      1020
56 ctaaagaatc cctgaaacag gcgcgtcatt ctctctgttt gcaaatacaa gtagaagaac      1080
58 tcaatgaaaa gaattaatct tacagtttta atgtcgtca gattttccat tatgtattga      1140
60 ttttgcaact taggatgttt ttgagtccca tgggttcatt tgattgttta atctttgtta      1200
62 tttaattctt gtaaaacaga aaaaaaaaaa aaaaaaaaaa aaaaaa      1245
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 2929
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens
70 <400> SEQUENCE: 2
71 gagatggcgg ccgccgcagg tagatcgctc ctgctgctcc tctcctctcg gggcggcggc      60
73 ggcggggggc ccggcggtcg cggggcgctg actgccggct gcttccttg gctgggcgtc      120
75 agccgccacc ggcagcagca gcaccaccg acggtacacc agaggatcg ttcttggcag      180

```

RAW SEQUENCE LISTING

DATE: 03/25/2005

PATENT APPLICATION: US/10/528,168

TIME: 14:55:50

Input Set : A:\EX03-065C-US patentin.txt

Output Set: N:\CRF4\03252005\J528168.raw

```

77 aatttgggag ctgtttattg cagcactggt gtgccctctg atgatgttac agtgggttat 240
79 caaaatgggt tacctgtgat atctgtgagg ctaccatccc ggcgtgaacg ctgtcagttc 300
81 acactcaagc ctatctctga ctctgttggg gtattttttac gacaactgca agaagaggat 360
83 cggggaattg acagagttgc tatctattca ccagatgggt ttcgcgttgc tgcttcaaca 420
85 ggaatagacc tctctctcct tgatgacttt aagctgggtca ttaatgactt aacataccac 480
87 gtacgaccac caaaaagaga cctcttaagt catgaaaatg cagcaacgct gaatgatgta 540
89 aagacattgg tccagcaact atacaccaca ctgtgcattg agcagcacca gttaaacaag 600
91 gaaagggagc ttattgaaag actagaggat ctcaaagagc agctggctcc cctggaaaag 660
93 gtacgaattg agattagcag aaaagctgag aagaggacca ctttgggtgct atgggggtggc 720
95 cttgcctaca tggccacaca gtttggcatt ttggcccggc ttacctgggt ggaatattcc 780
97 tgggacatca tggagccagt aacatacttc atcacttatg gaagtgccat ggcaatgtat 840
99 gcatattttg taatgacacg ccaggaatat gtttatccag aagccagaga cagacaatac 900
101 ttactatttt tccataaagg agccaaaaag tcacgttttg acctagagaa atacaatcaa 960
103 ctcaaggatg caattgctca ggcagaaatg gaccttaaga gactgagaga cccattacaa 1020
105 gtacatctgc ctctccgaca aattgggtgaa aaagattgat ctgcaaaaag cctctgaatc 1080
107 ctggcagaag gaacacctgt ttgccttttt aattaaagca ttgcagggtg aagctgggag 1140
109 ccatgtgggg ggtagagcgt ttttaccttt aattataaaa caaaaacaga aaggatctga 1200
111 gggaagaagg gaatgttaaa acctgaggat caggcattgt ggaatataag ctcaaagggc 1260
113 ttagtgaata ttgtcttaac caagtatctc agtttctgga tgaaaatgat gcagttatat 1320
115 agttgagaga ttcataaaga gaaaacaatg ctgggggtgt tcgtttcttg catcttcttt 1380
117 gcagagtcag caaaaagagta acacaccagc accccactcg actctatttg tttttaattt 1440
119 aactgtccct atttttgaca taggagtaaa taaatatact agaaaagcaa attctcatga 1500
121 tatgctaaaa tatcattagc atttatttta aattggaccg agtctctgca gagtaccag 1560
123 gaatctttcc ttccagcatc cctttactga ccacctacct gtacctcttg gttacactca 1620
125 ttttttccat ttgataattg gaaccaactt ataactgttt aataattgac actttagatt 1680
127 atctcttaat accttcttaa atgtctatat atcccagtg cctggatcag tgtctaaaaa 1740
129 tcaactggcaa cactgcatga ggtgttgggt tttgttttgt tttattaatt agtctttcac 1800
131 aggaggaata attgccctcc tttatatact tatctattga taatccctc tccctccaga 1860
133 acacaaatca gagggaaagg ggggtgttcag ctgtactacc aaatcaggaa gatgtaaggt 1920
135 ttacaaattg gctaagaatc atggctctgt agccatttca accagaataa ttttattgct 1980
137 aatctgcttt gtgtgacagc attccaggcc agccagatgg gactgccttg tctggaggct 2040
139 ttgttcatct cgaaggacac acacttccac actgtttgtg agccctccca cctccacaac 2100
141 ttcagttgta aatcaagtgt gtggatctca aagggtgcaa tttatcttta tataggaata 2160
143 catttctagg gcttccttca agcccactct cttcacctta tttttctta tcttaaatg 2220
145 agagaaagag aattaatctt atactttgtc aaaacatttt ctaccatatt tccagatgac 2280
147 atctgcgctt gaagagtcaa aggaatctgt gtctaataat ctgtttttta ctgctgtagg 2340
149 ggcaggatgg aaaggatgat gggggctgcc acaccactga ttggcctttt ctttcacgtg 2400
151 attcatcctt cctcattgtg gcaaggagtt tctttctctt tttcttctc ctttgggatc 2460
153 attgtgtatg aaaagaaaaa ctttaaataga caaaccaga ctccagggtgc cttgcaaagg 2520
155 ttgaaggcca gccaggattg ctgctgctgc tgctactcct gccaacaccc ctttcattgg 2580
157 catgacggaa tgaaggatg catgtctcca ctctctgacc ctccgcccac ttccttctcc 2640
159 ctccaccacc cccagtcgtc agctccttcc ctcatattat tttgttaagt tgtgtgaatt 2700
161 atttttaacc catttatcct gtttgtgcat aggggtttta agaagaaaca gcacagtgca 2760
163 acgagcaaat ctttttgggg tgtgtgggaa gcaagggagg gaggacatgg agaaaagttc 2820
165 tttaaacaaa tagcaacta ttgaacatgt gtaaaatcct gtatcattta tgaaatatgt 2880
167 ataaaaagca atgtaccttc tggaacaata aatacttatt caatttttg 2929
170 <210> SEQ ID NO: 3
171 <211> LENGTH: 248
172 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/528,168

DATE: 03/25/2005

TIME: 14:55:50

Input Set : A:\EX03-065C-US patentin.txt

Output Set: N:\CRF4\03252005\J528168.raw

```

173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 3
177 Met Leu Ser Thr Val Gly Ser Phe Leu Gln Asp Leu Gln Asn Glu Asp
178 1 5 10 15
181 Lys Gly Ile Lys Thr Ala Ala Ile Phe Thr Ala Asp Gly Asn Met Ile
182 20 25 30
185 Ser Ala Ser Thr Leu Met Asp Ile Leu Leu Met Asn Asp Phe Lys Leu
186 35 40 45
189 Val Ile Asn Lys Ile Ala Tyr Asp Val Gln Cys Pro Lys Arg Glu Lys
190 50 55 60
193 Pro Ser Asn Glu His Thr Ala Glu Met Glu His Met Lys Ser Leu Val
194 65 70 75 80
197 His Arg Leu Phe Thr Ile Leu His Leu Glu Glu Ser Gln Lys Lys Arg
198 85 90 95
201 Glu His His Leu Leu Glu Lys Ile Asp His Leu Lys Glu Gln Leu Gln
202 100 105 110
205 Pro Leu Glu Gln Val Lys Ala Gly Ile Glu Ala His Ser Glu Ala Lys
206 115 120 125
209 Thr Ser Gly Leu Leu Trp Ala Gly Leu Ala Leu Leu Ser Ile Gln Gly
210 130 135 140
213 Gly Ala Leu Ala Trp Leu Thr Trp Trp Val Tyr Ser Trp Asp Ile Met
214 145 150 155 160
217 Glu Pro Val Thr Tyr Phe Ile Thr Phe Ala Asn Ser Met Val Phe Phe
218 165 170 175
221 Ala Tyr Phe Ile Val Thr Arg Gln Asp Tyr Thr Tyr Ser Ala Val Lys
222 180 185 190
225 Ser Arg Gln Phe Leu Gln Phe Phe His Lys Lys Ser Lys Gln Gln His
226 195 200 205
229 Phe Asp Val Gln Gln Tyr Asn Lys Leu Lys Glu Asp Leu Ala Lys Ala
230 210 215 220
233 Lys Glu Ser Leu Lys Gln Ala Arg His Ser Leu Cys Leu Gln Met Gln
234 225 230 235 240
237 Val Glu Glu Leu Asn Glu Lys Asn
238 245
241 <210> SEQ ID NO: 4
242 <211> LENGTH: 351
243 <212> TYPE: PRT
244 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 4
248 Met Ala Ala Ala Gly Arg Ser Leu Leu Leu Leu Leu Ser Ser Arg
249 1 5 10 15
252 Gly Gly Gly Gly Gly Gly Ala Gly Gly Cys Gly Ala Leu Thr Ala Gly
253 20 25 30
256 Cys Phe Pro Gly Leu Gly Val Ser Arg His Arg Gln Gln Gln His His
257 35 40 45
260 Arg Thr Val His Gln Arg Ile Ala Ser Trp Gln Asn Leu Gly Ala Val
261 50 55 60
264 Tyr Cys Ser Thr Val Val Pro Ser Asp Asp Val Thr Val Val Tyr Gln
265 65 70 75 80

```

RAW SEQUENCE LISTING

DATE: 03/25/2005

PATENT APPLICATION: US/10/528,168

TIME: 14:55:50

Input Set : A:\EX03-065C-US patentin.txt

Output Set: N:\CRF4\03252005\J528168.raw

```

268 Asn Gly Leu Pro Val Ile Ser Val Arg Leu Pro Ser Arg Arg Glu Arg
269      85      90      95
272 Cys Gln Phe Thr Leu Lys Pro Ile Ser Asp Ser Val Gly Val Phe Leu
273      100     105     110
276 Arg Gln Leu Gln Glu Glu Asp Arg Gly Ile Asp Arg Val Ala Ile Tyr
277      115     120     125
280 Ser Pro Asp Gly Val Arg Val Ala Ala Ser Thr Gly Ile Asp Leu Leu
281      130     135     140
284 Leu Leu Asp Asp Phe Lys Leu Val Ile Asn Asp Leu Thr Tyr His Val
285 145      150     155     160
288 Arg Pro Pro Lys Arg Asp Leu Leu Ser His Glu Asn Ala Ala Thr Leu
289      165     170     175
292 Asn Asp Val Lys Thr Leu Val Gln Gln Leu Tyr Thr Thr Leu Cys Ile
293      180     185     190
296 Glu Gln His Gln Leu Asn Lys Glu Arg Glu Leu Ile Glu Arg Leu Glu
297      195     200     205
300 Asp Leu Lys Glu Gln Leu Ala Pro Leu Glu Lys Val Arg Ile Glu Ile
301      210     215     220
304 Ser Arg Lys Ala Glu Lys Arg Thr Thr Leu Val Leu Trp Gly Gly Leu
305 225      230     235     240
308 Ala Tyr Met Ala Thr Gln Phe Gly Ile Leu Ala Arg Leu Thr Trp Trp
309      245     250     255
312 Glu Tyr Ser Trp Asp Ile Met Glu Pro Val Thr Tyr Phe Ile Thr Tyr
313      260     265     270
316 Gly Ser Ala Met Ala Met Tyr Ala Tyr Phe Val Met Thr Arg Gln Glu
317      275     280     285
320 Tyr Val Tyr Pro Glu Ala Arg Asp Arg Gln Tyr Leu Leu Phe Phe His
321      290     295     300
324 Lys Gly Ala Lys Lys Ser Arg Phe Asp Leu Glu Lys Tyr Asn Gln Leu
325 305      310     315     320
328 Lys Asp Ala Ile Ala Gln Ala Glu Met Asp Leu Lys Arg Leu Arg Asp
329      325     330     335
332 Pro Leu Gln Val His Leu Pro Leu Arg Gln Ile Gly Glu Lys Asp
333      340     345     350

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/528,168

DATE: 03/25/2005

TIME: 14:55:51

Input Set : A:\EX03-065C-US patentin.txt

Output Set: N:\CRF4\03252005\J528168.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date